



1 / 4

SEQUENCE LISTING

<110> Variation Biotechnologies Inc.

<120> IMMUNOGENIC FORMULATION AND PROCESS FOR PREPARATION THEREOF

<130> PAT 568A-2

<140> US 10/072,084

<141> 2002-02-08

<150> US 09/414,484

<151> 1999-10-08

<150> US 60/103,642

<151> 1998-10-09

<160> 16

<170> PatentIn version 3.0

<210> 1

<211> 21

<212> PRT

<213> Human immunodeficiency virus type 1

<400> 1

Cys Thr Asp Leu Lys Asn Ala Thr Asn Thr Asn Ser Ser Ser Ser Arg
1 5 10 15
Met Met Met Glu Lys
20

$\langle 210 \rangle$ 2

<211> 21

<212> PRT

<213> Human immunodeficiency virus type 1

<400> 2

Phe Tyr Lys Leu Asp Ile Val Pro Ile Asp Asn Thr Thr Ser Ser Tyr
1 5 10 15
Arg Leu Ile Asn Cys
20

<210> 3

<211> 21

<212> PRT

<213> Human immunodeficiency virus type 1

```

<400>   3
Thr Ser Lys Ser Ile His Ile Gly Pro Gly Arg Ala Phe Tyr Thr Thr
   1           5           10           15
Gly Asp Ile Gly Asp
           20

```

<210> 4
 <211> 21
 <212> PRT
 <213> Human immunodeficiency virus type 1

<400> 4
 Phe Asn Ser Thr Trp Phe Asn Ser Thr Trp Ser Thr Glu Gly Ser Asn
 1 5 10 15
 Asn Thr Glu Gly Ser
 20

<210> 5
 <211> 20
 <212> PRT
 <213> Human immunodeficiency virus type 1

<400> 5
 Thr Arg Asp Gly Gly Asn Asn Asn Asn Glu Thr Glu Ile Phe Arg Pro
 1 5 10 15
 Gly Gly Gly Asp
 20

<210> 6
 <211> 24
 <212> PRT
 <213> Hepatitis C virus

<400> 6
 Ala Thr Thr Tyr Val Thr Gly Gly Ala Ala Ala Arg Ala Thr Ala Gly
 1 5 10 15
 Leu Ala Ser Leu Phe Ser Pro Gly
 20

<210> 7
 <211> 14
 <212> PRT
 <213> Hepatitis C virus

<400> 7
 Ile Ser Tyr Ala Asn Gly Ser Gly Pro Asp Gln Arg Pro Tyr
 1 5 10

<210> 8
 <211> 21
 <212> PRT
 <213> Influenza A virus

<400> 8
 Glu Thr Gly Lys Arg Gly Gly Lys Ser Ser Gly Ser Ser Tyr Pro Val
 1 5 10 15
 Leu Asn Val Ser Tyr
 20

<210> 9
 <211> 21
 <212> PRT
 <213> Influenza A virus

<400> 9

Lys Lys Gly Ser Val His His Pro Ser Thr Ile Thr Glu Gln Thr Ser
 1 5 10 15
 Leu Tyr Val Asn Ala
 20

<210> 10

<211> 21

<212> PRT

<213> Influenza A virus

<400> 10

Asn Gly Leu Phe Ser Lys Glu Ser Pro Asn Asn Lys Asn Lys Asp Pro
 1 5 10 15
 Ile Asp Thr Cys Asp
 20

<210> 11

<211> 21

<212> PRT

<213> Influenza A virus

<400> 11

Tyr Val Ser Val Ser Ser Arg Ile Ala Ser Arg Pro Lys Val Arg
 1 5 10 15
 Gly Gln Gly Asp Thr
 20

<210> 12

<211> 28

<212> PRT

<213> Human immunodeficiency virus type 1

<400> 12

Cys Thr Asn Val Asn Thr Asn Asn Thr Thr Asn Thr Thr Ser Ser Ser
 1 5 10 15
 Gly Gly Thr Met Glu Lys Gly Glu Met Lys Asn Cys
 20 25

<210> 13

<211> 30

<212> PRT

<213> Human immunodeficiency virus type 1

<400> 13

Met Thr Thr Glu Leu Arg Asp Lys Lys Gln Lys Glu Tyr Ala Leu Phe
 1 5 10 15
 Tyr Arg Leu Asp Val Val Pro Ile Asp Asn Asn Ser Thr Ser
 20 25 30

<210> 14

<211> 27

<212> PRT

<213> Human immunodeficiency virus type 1

<400> 14
 Arg Lys Ser Ile Arg Ile Gly Pro Gly Gln Ala Phe Tyr Ala Thr Gly
 1 5 10 15
 Asp Ile Ile Gly Asp Ile Arg Gln Ala His Cys
 20 25

<210> 15
 <211> 24
 <212> PRT
 <213> Human immunodeficiency virus type 1

<400> 15
 Cys Asn Ser Thr Gln Leu Phe Asn Ser Thr Trp Ser Thr Glu Gly Ser
 1 5 10 15
 Asn Asn Thr Glu Gly Ser Asp Thr
 20

<210> 16
 <211> 15
 <212> PRT
 <213> Human immunodeficiency virus type 1

<400> 16
 Gly Asn Asn Asn Ser Ser Asn Glu Ile Phe Arg Pro Gly Gly Gly
 1 5 10 15